

ABSTRACT

Disclosed is a secondary battery in which the characteristic can be improved by optimizing the relation between the thickness of a positive electrode mixture layer and the thickness of a negative electrode mixture layer. The secondary battery comprises a rolled electrode body in which a band-shaped positive electrode and negative electrode are rolled with a separator in between. Lithium metal is to be precipitated in the negative electrode during charging. The capacity of the negative electrode is expressed by the sum of a capacity component by occluding/releasing lithium and a capacity component by precipitating/dissolving lithium metal. The ratio of the thickness of the positive electrode mixture layer to the thickness of the negative electrode mixture layer is 0.92 or more. Thereby, stable precipitation of lithium metal in the negative electrode can be achieved and a high energy density and an excellent cycle characteristic can be obtained.

09951206-091001